

CLAIMS

1. A data broadcast reproduction controller for
controlling the reproduction of data broadcast including one
5 or more data contents, comprising:

a receiver that receives data content of data broadcast
and related information attached to said data broadcast;

a first storage that stores the data content of the data
broadcast received by said receiver;

10 a reproducer that reproduces the data content of the
data broadcast stored in said first storage;

a control information creator that creates control
information for identifying the data content of the data
broadcast based on given information included in the data
15 content of the data broadcast received by said receiver or
reproduced by said reproducer and/or the related
information;

a second storage that stores, during first reproduction
by said reproducer, the data content of the data broadcast
20 acquired from said first storage and control information
corresponding to the data content;

a determiner that determines, during a second
reproduction by said reproducer, whether or not the control
information stored in said second storage and the control
25 information corresponding to the data content of data

broadcast to be reproduced coincide with each other; and

a controller that controls said reproducer to reproduce the data broadcast, using the data content stored in said second storage, when said determiner determines that the control information stored in said second storage and the control information corresponding to said data content of the data broadcast to be reproduced coincide with each other.

2. The data broadcast reproduction controller according to claim 1, wherein

said control information creator creates control information based on given information included in the data content of the data broadcast received by said receiver and/or the related information, to store said created control information to said first storage.

3. The data broadcast reproduction controller according to claim 2, wherein

said control information creator creates control information at the time of a change in at least some of the information of the data broadcast received by said receiver or at given update timing.

4. The data broadcast reproduction controller according to claim 2, wherein

said control information creator stores, during said first reproduction by said reproducer, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into
5 said second storage.

5. The data broadcast reproduction controller according to claim 4, wherein

said control information creator stores, at the time
10 of a change in at least some of the information of the data broadcast reproduced during said first reproduction by said reproducer, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into said second storage.

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6. The data broadcast reproduction controller according to claim 4, wherein

said determiner determines, during said second reproduction by said reproducer, whether or not the control
20 information stored in said second storage and the control information stored in said first storage coincide with each other.

7. The data broadcast reproduction controller
25 according to claim 5, wherein

said determiner determines, during said second reproduction by said reproducer, whether or not the control information stored in said second storage and the control information stored in said first storage coincide with each other.

8. The data broadcast reproduction controller according to claim 1, wherein said control information creator creates, during said first reproduction by said reproducer, control information based on given information included in the data content of the data broadcast acquired from said first storage and/or the related information, to store the created control information into said second storage.

9. The data broadcast reproduction controller according to claim 8, wherein said control information creator stores, at the time of a change in at least some of the information of the data broadcast reproduced during said first reproduction by said reproducer, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into said second storage.

10. The data broadcast reproduction controller

according to claim 8, wherein

said control information creator creates, during said second reproduction by said reproducer, control information based on given information included in the data content of the data broadcast acquired from said first storage and/or the related information, and

said determiner determines, during said second reproduction by said reproducer, whether or not the control information stored in said second storage and the control information created by said control information creator coincide with each other.

11. The data broadcast reproduction controller according to claim 1, wherein

said second reproduction includes reproduction at a different speed from that of said first reproduction.

12. The data broadcast reproduction controller according to claim 1, wherein

said given information included in the data content of data broadcast and/or the related information includes content-reference information described in a data script.

13. A data broadcast reproduction controller for controlling the reproduction of data broadcast including one

or more data contents, comprising:

a receiver that receives data content of data broadcast and related information attached to said data broadcast;

a first storage that stores the data content of the data broadcast received by said receiver;

a reproducer that reproduces the data content of the data broadcast received by said receiver;

a control information creator that creates control information for identifying the data content of the data broadcast based on given information included in the data content of the data broadcast received by said receiver and/or the related information;

a second storage that stores, during first reception by said receiver, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content;

a determiner that determines, during second reception by said receiver, whether or not the control information stored in said second storage and the control information corresponding to the data content of the data broadcast received by said receiver coincide with each other; and

a controller that controls said reproducer to reproduce data broadcast, using the data content stored in said second storage, when said determiner determines that the control information stored in said second storage and the control

information corresponding to the data content of the data broadcast received by said receiver coincide with each other.

14. The data broadcast reproduction controller
5 according to claim 13, wherein

said control information creator creates control information at the time of a change in at least some of the information of the data broadcast received by said receiver during said first reception by said receiver.

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15. The data broadcast reproduction controller
according to claim 13, wherein

said first reception takes place before a receiving channel is changed, and said second reception takes place
15 after the receiving channel is changed.

16. The data broadcast reproduction controller
according to claim 13, wherein

said given information included in the data content of
20 data broadcast and/or the related information includes content-reference information described in a data script.

17. A method for controlling the reproduction of data broadcast including one or more data contents, comprising the
25 steps of:

receiving data content of data broadcast and related information attached to said data broadcast;

storing the data content of said received data broadcast into a first storage;

5 reproducing the data content of the data broadcast stored in said first storage;

creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received or reproduced data broadcast and/or the related information;

10 storing, during first reproduction, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

15 determining, during second reproduction, whether or not the control information stored in said second storage and the control information corresponding to the data content of data broadcast to be reproduced coincide with each other; and

controlling the reproduction such that the data broadcast is reproduced, using the data content stored in said second storage, when it is determined that the control information stored in said second storage and the control information corresponding to the data content of said data broadcast to be reproduced coincide with each other.

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18. A method for controlling the reproduction of data broadcast including one or more data contents, comprising the steps of:

receiving data content of data broadcast and related
5 information attached to said data broadcast;

storing the data content of said received data broadcast into a first storage;

reproducing the data content of said received data broadcast;

10 creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received data broadcast and/or the related information;

storing, during first reception, the data content of
15 the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

determining, during second reception, whether or not the control information stored in said second storage and the
20 control information corresponding to the data content of said received data broadcast coincide with each other; and

controlling the reproduction such that the data broadcast is reproduced, using the data content stored in said second storage, when it is determined that the control
25 information stored in said second storage and the control

information corresponding to the data content of said received data broadcast coincide with each other.

19. A data broadcast reproduction control program which
5 is executable by a computer and controls the reproduction of data broadcast including one or more data contents,

said data broadcast reproduction control program allowing said computer to execute the processes of:

receiving data content of data broadcast and related
10 information attached to said data broadcast;

storing the data content of said received data broadcast into a first storage;

reproducing the data content of the data broadcast stored in said first storage;

15 creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received or reproduced data broadcast and/or the related information;

storing, during first reproduction, the data content
20 of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

determining, during second reproduction, whether or not the control information stored in said second storage and the
25 control information corresponding to the data content of data

broadcast to be reproduced coincide with each other; and
controlling the reproduction such that the data
broadcast is reproduced, using the data content stored in
said second storage, when it is determined that the control
5 information stored in said second storage and the control
information corresponding to the data content of said data
broadcast to be reproduced coincide with each other.

20. A data broadcast reproduction control program which
10 is executable by a computer and controls the reproduction of
data broadcast including one or more data contents,

said data broadcast reproduction control program
allowing said computer to execute the processes of:

receiving data content of data broadcast and related
15 information attached to said data broadcast;

storing the data content of said received data broadcast
into a first storage;

reproducing the data content of said received data
broadcast;

20 creating control information for identifying the data
content of the data broadcast based on given information
included in the data content of said received data broadcast
and/or the related information;

storing, during first reception, the data content of
25 the data broadcast acquired from said first storage and the

control information corresponding to the data content into
a second storage;

determining, during second reception, whether or not
the control information stored in said second storage and the
5 control information corresponding to the data content of said
received data broadcast coincide with each other; and

controlling the reproduction such that the data
broadcast is reproduced, using the data content stored in
said second storage, when it is determined that the control
10 information stored in said second storage and the control
information corresponding to the data content of said
received data broadcast coincide with each other.

21. A computer-readable recording medium in which a
15 data broadcast reproduction control program for controlling
the reproduction of data broadcast including one or more data
contents is recorded,

said data broadcast reproduction control program
allowing said computer to execute the processes of:

20 receiving data content of data broadcast and related
information attached to said data broadcast;

storing the data content of said received data broadcast
into a first storage;

reproducing the data content of the data broadcast
25 stored in said first storage;

creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received or reproduced data broadcast and/or the related information;

5 storing, during first reproduction, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

 determining, during second reproduction, whether or not
10 the control information stored in said second storage and the control information corresponding to the data content of data broadcast to be reproduced coincide with each other; and

 controlling the reproduction such that the data broadcast is reproduced, using the data content stored in
15 said second storage, when it is determined that the control information stored in said second storage and the control information corresponding to the data content of said data broadcast to be reproduced coincide with each other.

20 22. A computer-readable recording medium in which a data broadcast reproduction control program for controlling the reproduction of data broadcast including one or more data contents is recorded,

 said data broadcast reproduction control program
25 allowing said computer to execute the processes of:

receiving data content of data broadcast and related information attached to said data broadcast;

storing the data content of said received data broadcast into a first storage;

5 reproducing the data content of said received data broadcast;

creating control information for identifying the data content of the data broadcast based on given information included in the data content of said received data broadcast
10 and/or the related information;

storing, during first reception, the data content of the data broadcast acquired from said first storage and the control information corresponding to the data content into a second storage;

15 determining, during second reception, whether or not the control information stored in said second storage and the control information corresponding to the data content of said received data broadcast coincide with each other; and

controlling the reproduction such that the data
20 broadcast is reproduced, using the data content stored in said second storage, when it is determined that the control information stored in said second storage and the control information corresponding to the data content of said received data broadcast coincide with each other.

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